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(72) Inventor: **Anderson, Robin John**
Witney, Oxon OX8 5FF (GB)

(74) Representative: **Skone James, Robert Edmund**
GILL JENNINGS & EVERY
Broadgate House
7 Eldon Street
London EC2M 7LH (GB)

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(71) Applicant: **Oxford Instruments Analytical Limited**
Witney, Oxon, OX8 1TL (GB)

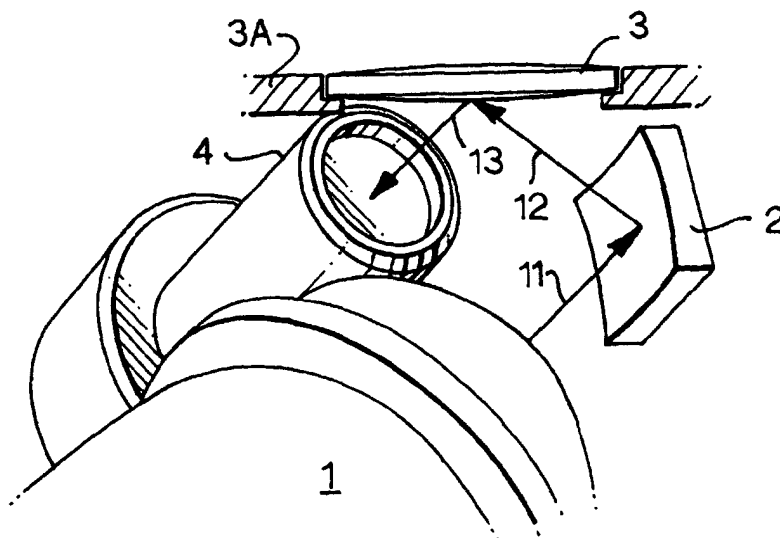
(54) **Apparatus for analysing a sample**

(57) X-ray fluorescence analyser comprising:

- a. A radiation source (1) for generating a radiation beam;
- b. A sample holder (3A) for holding the sample in use;

- c. A polariser (2) for polarising the radiation beam;
- d. A radiation beam selector (5,6) for selectively exposing the sample to either the radiation beam or the polarised radiation beam; and,
- e. A detector (4) for detecting radiation emitted by the sample.

Fig.1.





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EUROPEAN SEARCH REPORT

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EP 01 30 8845

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
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| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int.Cl.7) |
| A | US 6 041 095 A (YOKHIN BORIS) 21 March 2000 (2000-03-21) * column 1, line 4-59 * * column 5, line 32 - column 7, line 33; figures 3-5 * | 1-10 | G01N23/223 G21K1/02 |
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| A | --- MORITA Y ET AL: "A LOW BACKGROUND X-RAY FLUORESCENCE SYSTEM FOR MICROSPHERE QUANTITATION" IEEE TRANSACTIONS ON NUCLEAR SCIENCE, IEEE INC. NEW YORK, US, vol. 35, no. N01 OF 2 PARTS, 1 February 1988 (1988-02-01), pages 691-697, XP000006576 ISSN: 0018-9499 * page 691; figure 1 * | 1-10 | |
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| The present search report has been drawn up for all claims | | | |
| Place of search MUNICH | | Date of completion of the search 19 September 2003 | Examiner Huenges, A |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p> | | | |

EPO FORM 1503 (03.82) (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 30 8845

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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19-09-2003

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